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1	BRS	L1	113	supervis\$3 same (learn\$3 or neural) same unsupervis\$3 same (group\$5 or cluster\$3) same (class\$9 or categor\$9)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:45	
2	BRS	L3	2	2 same imag\$3	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:28	
3	BRS	L2	24	1 same (probabilit\$3 or likelihood or possibilit\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:31	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
4	BRS	L4	3	supervis\$3 same (probabilit\$3 or likelihood or possibilit\$3) same map same learn\$3 same class\$9	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:35	
5	BRS	L5	1233	((probabilit\$3 or likelihood or possibilit\$3) near\$3 map)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:50	
6	BRS	L6	83	((probabilit\$3 or likelihood or possibilit\$3) near\$3 map) same class\$9	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:36	

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7	BRS	L7	16	6 same (cluster\$3 or group\$5 or categor\$9)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:36	
8	BRS	L8	4	7 same imag\$3	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:38	
9	BRS	L9	687	unsupervis\$3 near\$3 learn\$3	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:38	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
10	BRS	L10	9	9 same ((cluster\$3 or group\$5) near\$5 imag\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:48	
11	BRS	L11	11	supervis\$3 same (learn\$3 or neural) same unsupervis\$3 same (merg\$3 or combin\$5 or mix\$3) same image\$1	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 14:49	
12	BRS	L12	2	11 and ((probabilit\$3 or likelihood or possibilit\$3) near\$3 map)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:11	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
13	BRS	L13	5	11 and semantic\$5	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:09	
14	BRS	L14	5540	(cluster\$3 or group\$5) with (class\$9 or categor\$9) with (combin\$9 or merg\$3 or mix\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:11	
15	BRS	L15	3	14 same ((probabilit\$3 or likelihood or possibilit\$3) near\$3 map)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:39	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
16	BRS	L16	4515	((probab\$8 or likelihood or possibilit\$3) near3 class\$9)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:40	
17	BRS	L17	437	16 same (region\$1 or area\$1)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:40	
18	BRS	L18	174	17 same imag\$3	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:41	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
19	BRS	L19	10	18 same map	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:44	
20	BRS	L20	3317	region\$1 near3 classif\$8	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:45	
21	BRS	L21	3	20 same supervis\$3 same (learn\$3 or neural) same unsupervis\$3	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:49	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
22	BRS	L22	93	(supervis\$5 adj learn\$3) and (unsupervis\$3 near3 learn\$3) and (color\$1 or textue\$1) and image\$1 and (group\$3 or cluster\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:50	
23	BRS	L23	313	(supervis\$5 adj learn\$3) and (unsupervis\$3 near3 learn\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:51	
24	BRS	L24	163	(supervis\$5 adj learn\$3) near10 (unsupervis\$3 near3 learn\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:51	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
25	BRS	L25	57	22 and 24	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:51	
26	BRS	L26	7	((supervis\$5 adj learn\$3) near10 (unsupervis\$3 near3 learn\$3) near10 (merg\$3 or link\$3 or associat\$5 or combin\$5))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:52	
27	BRS	L27	1	22 and 26	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/06/21 15:52	


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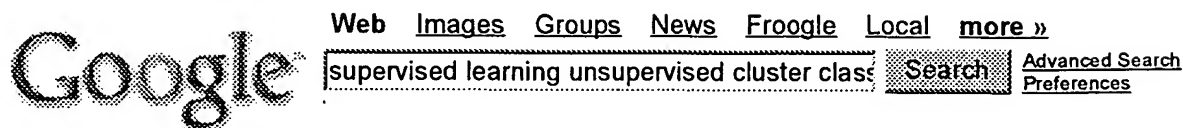
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In **unsupervised learning**, in contrast to **supervised learning**, ... a robust set of features on which the further processing (**classification**, **clustering**, etc. ...

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competitive **learning** network as applied to **unsupervised** ... widely used in **supervised image classification** of remotely sensed data [10, 11]. ...

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Semi-Supervised Learning

Face recognition using a hybrid **supervised/unsupervised** neural network. ...

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The task of **supervised classification** is classifying new objects (or cases) into predefined ... In the case of **unsupervised classification** (or **clustering**), ...

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In **unsupervised learning**, or **clustering**, the goal of the analysis is to uncover trends, ... In **supervised learning** or class prediction, knowledge of a ...

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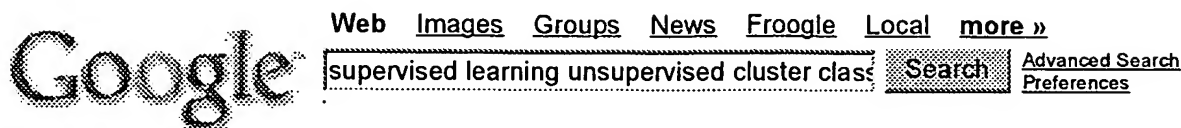
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digital ... **Unsupervised classification** in essence reverses the supervised ...

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By contrast with SUPERVISED LEARNING or REINFORCEMENT LEARNING, ... **Unsupervised learning** of the means determines the clusters. **Unsupervised learning** of ...

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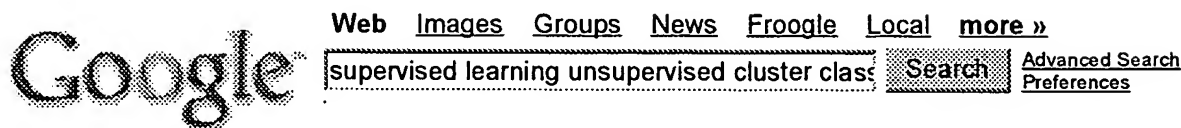


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Chapter 1

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In **unsupervised learning**, in contrast to **supervised learning**, ... a robust set of features on which the further processing (**classification**, **clustering**, etc. ...

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the **unsupervised clustering** in the test image, which has to be done online unlike the **supervised learning**. B. Results on Real Images ...

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Wooley abstract: Scaling Clustering for the Data Mining

Clustering is one form of **unsupervised learning** used in data mining. I am adapting a Meta **learning** approach, used to scale **supervised learning**, ...

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Semi-Supervised Learning

Face recognition using a hybrid **supervised/unsupervised** neural network. ...

Clustering unlabeled data with soms improves **classification** of labeled real-word ...

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The task of **supervised classification** is classifying new objects (or cases) into predefined ... In the case of **unsupervised classification** (or **clustering**), ...

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In **unsupervised learning**, or **clustering**, the goal of the analysis is to uncover trends, ... In **supervised learning** or class prediction, knowledge of a ...

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